

IN THE SPECIFICATION

Please amend the Title on page 1, line 3, as follows:

FIBER OPTIC TEMPERATURE MONITORING SYSTEM

Please amend the paragraph starting at page 1, line 6 as follows:

--This application claims priority to and is a continuation of U.S. Patent Application No. 10/096,158 filed March 11, 2002, which claims priority to German Application No. DE 10111640.3 filed March 10, 2001. The entire content of each of these applications is incorporated herein by reference.--

Please amend the paragraph starting at page 12, line 1 as follows:

--values are then compared by the computer 1 with prescribed comparison signals or thresholds that are stored in or provided to the computer 1, whereby the computer 1 then determines the ~~de5 sired~~ desired physical values such as the temperature increase, i.e. the elevated temperature level, from the signal amplitude, and the spatial location of the overheating condition along the fiber optic cable of the respective sensor 3, from the reflection transit time of the associated reflection pulse.--